

SAFETY OBSERVATION REPORT

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|--|---|--|--|--|---------------------------|----------------|
| Observers: D. Lowenstein, J. Tuozzolo, E. Lessard | | Date: 5/31/07 | Duration: 1.5 Hr. | Cryogenics Group Operations | | |
| Observation Categories | Observation Questions: | | | | | |
| POS | In risky position relative to task? Protection OK? | | Exposed to risks of temperature/electricity/gas/chemicals/radiation? | | | |
| ERG | Risks from: posture, repetitive motion, load, vibration, temperature, lighting, noise, work flow? | | | | | |
| PPE | Correct PPE? All parts of the body properly protected? | | In safe condition? | | | |
| T&E | Is tool, equipment or facility right for the job? Used correctly? | | In safe condition? | | | |
| PRO | Is there a standard procedure? Followed? | | Is procedure adequate? | Up to date? | Understood? | |
| ORD | Is workplace orderly? Is there a place for all materials and equipment? | | Adequate space? All in its place? | | | |
| ASF | No unsafe acts or conditions identified | | | | | |
| Work Area or Location | Number of Contacts | Description of unsafe acts | Observation Category | Follow-up Action | Person Responsible | By Date |
| Cryo Control Room | 3 | <p>No unsafe acts observed.</p> <p>People entering locked areas come to Cryo Control Room first. No one is sure if this happens all the time. Managers observed several doors thought to be locked were in fact found to be unlocked. Posting doors to locked areas with a sign that directs the entrant to the CCR was suggested.</p> <p>Positive: Locked areas were clearly posted with hazards and PPE requirements. Technician in area was wearing proper PPE.</p> | <p>ASF</p> <p>PRO</p> | Post locked doors to direct outsiders to CCR and ensure they stay locked when not open for official use (e.g., change lock sets so they lock automatically when door is closed). | A. Warkentien | 6-30-2007 |
| RHIC Compressor Building | 1 | <p>No unsafe acts observed.</p> <p>Lighting in this building needs to be evaluated to ensure it is safe for work.</p> <p>Positive: Members of the Cryo Group carry flashlights on rounds.</p> | ERG | Contact P. Cirmigliaro to perform a lighting evaluation. If inadequate, request cost estimate to correct and submit through ADS process (contact E. Lessard) | A. Warkentien | 6-30-2007 |

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| Cryo Electronics Shop | 2 | <p>No unsafe acts observed.</p> <p>Shelving is too high to reach without straining, shelves are overloaded. This shop has become a cluttered storage area for many unnecessary items.</p> <p>Positive: Technician was well aware of policy for maintaining an orderly workplace.</p> | ORD | Remove unnecessary stored items. Store necessary items in a proper storage room. Remove old cardboard boxes that may some time in the future be needed to ship equipment back to manufacturer. | L. Masi | 6-30-2007 |
| Cryo Mechanical Shop | 1 | <p>No unsafe acts observed.</p> <p>Positive: Shop is neat and orderly and well maintained.</p> | | | | |
| Cryo Group Working at ERL in B912 | 0 Cryo 6 Others | <p>Workers reading logic diagrams and code in dimly lighted work area.</p> <p>Positive: Work crews working carefully in teams.</p> | <p>ERG</p> <p>--</p> <p>--</p> | <p>Temporary lighting should be made readily available during this construction phase.</p> <p>Toe board needed for second floor double doors in the RF waveguide room.</p> <p>Wall outside roll up door is dented and should be pounded out.</p> | <p>D. Philips</p> <p>D. Phillips</p> <p>D. Phillips</p> | <p>ASAP</p> <p>6-30-2007</p> <p>9-30-2007</p> |
| <p>COMMENT:</p> <p>A. Warkentien: Please remove or secure cylinders stored on the grounds outdoors at B1005 (one gas cylinder unsecured, one propane tank for barbecuing observed)</p> | | | | | | |